

NPIC/TSSG/RED-1975-69
19 December 1969

MEMORANDUM FOR THE RECORD

SUBJECT: Contract [] "Stereogram Printer Optical Development"

1. A visit was made to the contractor [] on 16 December 1969. Discussions were held with [] Project Manager, and revolved around the facts provided that morning in the attached [] project memo.

2. When I expressed surprise and concern with the figure of "75 l/mm" in paragraph 2 (attached), [] stated that with the current schedule slippage, the [] are still only "halfway there" and indications are that there will be substantial improvement by the 7 January meeting. Nevertheless, he stated that they are finding this design to be far more complex than originally anticipated.

3. So far, they have tried several approaches, abandoned them, and now settled on a type of design indicated by the attached diagram. The Lens designers are "working" this combination zoom and objective lens configuration and will have added rotation and anamorphic considerations next month. I plan to study the technical situation with other members of RED and ESD and be prepared by 19 January 1970 to consider with [] relaxation of the minimum magnification (2X), zoom ratio (2:1), anamorphic ratio (0.5:1), and/or maximum resolution requirement of 200 l/mm (the latter would be the last to give up, if at all, I think).

4. During the same period, I must consider the contractual implications of paragraphs 4-9, attached. I must discuss with the [] Contracting Officer methods of extending the effort beyond the present cut-off date of 30 June 1970 if funds are still available at that time. I must also discuss with RED and other personnel the implications if additional funding would be necessary to, for example, complete the testing after fabrication of the breadboard printer. Of course, all these discussions may be academic if the [] Lens Designers are unable to predict satisfactory performance in January.

[]
Project Monitor
TSSG/RED/SRB

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